



#35

Form PTO-1449 (modified)  
List of Patents and Publications  
For Applicant's Information  
Disclosure Statement

ATTY. DKT. NO. 5659-02500

SERIAL NO. 09/841,299

APPLICANT: de Rouffignac et al.

CONFIRMATION NO.: 3896

FILING DATE: April 24, 2001

GROUP: 3672

**RECEIVED****OTHER ART**

EXAM. INITIALS	REF. DES.	OTHER ART (including Author, Title, Date, Pertinent Pages, etc.)	AUG 19 2004
GS	OA-01	U.S. Patent and Trademark Office, "Office Communication" for Application No. 09/841,299 mailed September 19, 2002 (17 pages).	OFFICE OF PATENTS
	OA-02	U.S. Patent and Trademark Office, "Office Communication" for Application No. 09/841,308 mailed November 14, 2002 (19 pages).	
	OA-03	U.S. Patent and Trademark Office, "Office Communication" for Application No. 09/841,446 mailed October 10, 2002 (20 pages).	
	OA-04	U.S. Patent and Trademark Office, "Office Communication" for Application No. 09/841,446 mailed August 12, 2003 (16 pages).	
	OA-05	U.S. Patent and Trademark Office, "Office Communication" for Application No. 09/841,439 mailed November 4, 2002 (13 pages).	
	OA-06	U.S. Patent and Trademark Office, "Office Communication" for Application No. 09/841,061 mailed May 20, 2002 (15 pages).	
	OA-07	U.S. Patent and Trademark Office, "Office Communication" for Application No. 09/841,061 mailed December 2, 2002 (16 pages).	
	OA-08	U.S. Patent and Trademark Office, "Office Communication" for Application No. 09/841,061 mailed June 9, 2003 (13 pages).	
	OA-09	U.S. Patent and Trademark Office, "Office Communication" for Application No. 09/841,061 mailed November 26, 2003 (7 pages).	
	OA-10	U.S. Patent and Trademark Office, "Office Communication" for Application No. 09/841,128 mailed August 27, 2002 (23 pages).	
	OA-11	U.S. Patent and Trademark Office, "Office Communication" for Application No. 09/841,128 mailed March 11, 2003 (23 pages).	
	OA-12	U.S. Patent and Trademark Office, "Office Communication" for Application No. 09/841,128 mailed August 19, 2003 (20 pages).	
	OA-13	U.S. Patent and Trademark Office, "Office Communication" for Application No. 09/841,493 mailed October 31, 2002 (13 pages).	
	OA-14	U.S. Patent and Trademark Office, "Office Communication" for Application No. 09/841,302 mailed January 23, 2003 (19 pages).	
	OA-15	U.S. Patent and Trademark Office, "Office Communication" for Application No. 09/841,302 mailed July 21, 2003 (20 pages).	
	OA-16	U.S. Patent and Trademark Office, "Office Communication" for Application No. 09/841,302 mailed January 9, 2004 (4 pages).	
	OA-17	U.S. Patent and Trademark Office, "Office Communication" for Application No. 09/841,440 mailed December 18, 2002 (19 pages).	
GS	OA-18	U.S. Patent and Trademark Office, "Office Communication" for Application No. 10/131,351 mailed July 19, 2004 (12 pages).	

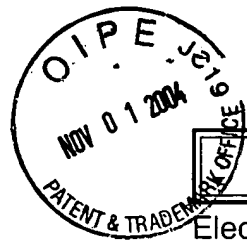
EXAMINER:

George Suchfield

DATE CONSIDERED:

11/16/04

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.



#37

## ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of  
InventionIN SITU THERMAL PROCESSING OF A HYDROCARBON  
CONTAINING FORMATION TO INCREASE A POROSITY  
OF THE FORMATION

Application Number: 09/841299

Confirmation Number: 3896

First Named Applicant: Eric de Rouffignac

Attorney Docket Number: 5659-02500

Art Unit: 3672

Examiner: George A. Suchfield

Search string: ( 3017168 or 3434541 or 4598772 or  
5456315 ).pn.

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## US Patent Documents

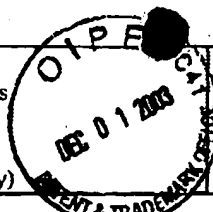
Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
69	1	3017168	1962-01-16	Carr			
1	2	3434541	1969-03-25	Cook et al.			
1	3	4598772	1986-07-08	Holmes			
69	4	5456315	1995-10-10	Kisman et al.			

Signature

Examiner Name	Date
George Suchfield	11/16/04

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SERIAL NO. 09/841,299

APPLICANT: de Rouffignac et al.

GROUP: 3672

FILING DATE: April 24, 2001

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U.S. PATENT DOCUMENTS

GROUP 3600

EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
GS	S5	2,857,002	10/21/1958	Pevere et al.			

FOREIGN PATENT DOCUMENTS

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
GS	T01	1836876	12/30/1994	SU			Y

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GS	T02	Burnham, Alan. K. "Oil Shale Retorting Dependence of timing and composition on temperature and heating rate", January 27, 1995, (23 pages).					
	T03	Burnham et al. "A Possible Mechanism of Alkene/Alkane Production in Oil Shale Retorting, (7 pages).					
	T04	Campbell, et al., "Kinetics of oil generation from Colorado Oil Shale" IPC Business Press, Fuel, 1978, (3 pages).					
	T05	Cummins et al. "Thermal Degradation of Green River Kerogen at 150° to 350 °C", Report of Investigations 7620, U.S. Government Printing Office, 1972, (pages 1-15).					
	T06	Cook, et al. "The Composition of Green River Shale Oils", United Nations Symposium on the Development and Utilization of Oil Shale Resources, Tallinn, 1968, (pages 1-23).					
	T07	Hill et al., "The Characteristics of a Low Temperature in situ Shale Oil" American Institute of Mining, Metallurgical & Petroleum Engineers, 1967 (pages 75-90)..					
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	T09	De Rouffignac, E. "In Situ Resistive Heating of Oil Shale for Oil Production-A Summary of the Swedish Data, (4 pages).					
	T10	Dogan, et al. "The Potential for in situ Retorting of Oil Shale in the Piceance Creek Basin of Northwestern Colorado", Quarterly of the Colorado School of Mines (pages 57-72).					
	T11	Hill et al. "Direct Production of Low Pour Point High Gravity Shale Oil" I&EC Product Research and Development, 1967, Volume 6, (pages 52-59).					
	T12	Yen et al., "Oil Shale" Developments in Petroleum Science, 5, Elsevier Scientific Publishing Co., 1976 (pages 187-198).					
	T13	SSAB report, "A Brief Description of the Ljungstrom Method for Shale Oil Production," 1950, (12 pages).					
	T14	Salomonsson G., SSAB report, "The Lungstrom In Situ-Method for Shale Oil Recovery, 1950 (28 pages)					
	T15	"Swedish shale oil-Production method in Sweden," Organisation for European Economic Co-operation, 1952, (70 pages).					
	T16	SSAB report, "Kvarn Torp" 1958, (36 pages).					
	T17	SSAB report, "Kvarn Torp" 1951 (35 pages).					
	T18	SSAB report, "Summary study of the shale oil works at Narkes Kvarntorp" (15 pages).					
GS	T19	Vogel et al. "An Analog Computer for Studying Heat Transfrer during a Thermal Recovery Process," AIME Petroleum Transactions, 1955 (pages 205-212).					
*	T20	SKIFEROLJA GENOM UPPVARMNING AV SKIFERBERGET," Faxin-Department och Namder, 1941. (3 pages)					

\* not in compliance with MPEP section 609

EXAMINER: George Suchfield

DATE CONSIDERED: 4/26/04

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	T21	"Aggregeringen av olja och ransoneringen grunder", Av director E.E. Cederlund i Statens livsmedelskommission (1 page).
	T22	Ronby, E. "KVARNTORP Sveriges Största skifferoljeindustri," 1943, (9 pages)
GS	T23	SAAB report, "The Swedish Shale Oil Industry," 1948 (8 pages).
	T24	Gejrot et al., "The Shale Oil Industry in Sweden," Carlo Colombo Publishers-Rome, Proceedings of the Fourth World Petroleum Congress, 1955 (8 pages)
	T25	Hedback, T. J., "The Swedish Shale as Raw Material for Production of Power, Oil and Gas," XIth Sectional Meeting World Power Conference, 1957 (9 pages)
	T26	SAAB, "Santa Cruz, California, Field Test of the Lins Method for the Recovery of Oil from Sand", 1955 Vol. 1, (141 pages) English
	T27	SAAB, "Santa Cruz, California, Field Test of the Lins Method for the Recovery of Oil from Sand-Figures", 1955 Vol. 2, (146 pages) English.
	T28	"Santa Cruz, California, Field Test of the Lins Method for the Recovery of Oil from Sand-Memorandum re: tests", 1955 Vol. 3, (256 pages) English.
	T29	Helander, R.E., "Santa Cruz, California, Field Test of Carbon Steel Burner Casings for the Lins Method of Oil Recovery", 1959 (38 pages) English.
	T30	Helander et al., "Santa Cruz, California, Field Test of Fluidized Bed Burners for the Lins Method of Oil Recovery" 1959, (86 pages) English.
	T31	SSAB report, "Bradford Residual Oil, Athabasa Ft. McMurray" 1951, (207 pages), partial translation.
GS	T32	"Lins Burner Test Results-English" 1959-1960
*	T33	<del>SSAB "Annual Reports, SSAB Laboratory, Address Annually Issues-Shale and Ash, Oil, Gas, Waste Water, Analytical", 1953-1954, (166 pages). Swedish</del>
	T34	<del>SSAB report, "Financial Matter, Swedish taxes, etc.," 1960-1961 (37 pages). Swedish</del>
	T35	<del>SSAB report, "Cost For Mining," 1959-1979 (13 pages). Swedish</del>
	T36	<del>SSAB report, "Cost Comparison of Mining and Processing of Shale and Dolomite Using Various Production Alternatives", 1960, (64 pages). Swedish</del>
	T37	<del>SSAB report, "Assessment of Future Mining Alternatives of Shale and Dolomite," 1962, (59 pages) Swedish.</del>
*	T38	<del>SSAB report, "Kartong 2 Shale: Ljungstromsanlaggningen" (104 pages) Swedish.</del>
GS	T39	SAAB, "Photos", (18 pages).
	T40	<del>SAAB report, "Swedish Geological Survey Report, Plan to Delineate Oil shale Resource in Narkes Area (near Kvarntorp)," 1941 (13 pages). Swedish.</del>
	T41	SAAB report, "Recovery Efficiency," 1941, (61 pages). Swedish.
	T42	SAAB report, "Geologic Work Conducted to Assess Possibility of Expanding Shale Mining Area in Kvarntorp; Drilling Results, Seismic Results," 1942 (79 pages). Swedish.
	T43	SSAB report, "Ojematinigar vid Norrtorp," 1945 (141 pages).
	T44	SSAB report, "Inhopplingschema, Norrtorp II 20/3-17/8", 1945 (50 pages). Swedish.
	T45	SSAB report, "Secondary Recovery after LINS," 1945 (78 pages)
	T46	SSAB report, "Maps and Diagrams, Geology," 1947 (137 pages). Swedish.
	T47	SSAB report, "Styrehseprotholl," 1943 (10 pages). Swedish.
*	T48	<del>SSAB report, "Early Shale Retorting Trials" 1951-1952, (134 pages). Swedish.</del>

\* not in compliance with MPEP section 609

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T49	SSAB report, "Environmental Assessment of Ljunstrom Oil and its Use as Liquid Fuel," Thesis by E. Pals, 1949 (83 pages). Swedish.
T50	SSAB report, "Environmental Sulphur and Effect on Vegetation," 1951 (50 pages). Swedish.
T51	SSAB report, "Tar Sands", Vol. 135 1953 (20 pages, pages 12-15 translated). Swedish.
T52	SSAB report, "Assessment of Skanes Area (Southern Sweden) Shales as Fuel Source," 1954 (54 pages). Swedish.
T53	SSAB report, "Prom as Ure Dn Text Geology Reserves," 1960 (93 pages). Swedish.
T54	SSAB report, "Kvarntorps Environmental Area Assessment," 1981 (50 pages). Swedish.

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Title of  
Invention

IN SITU THERMAL PROCESSING OF A HYDROCARBON  
CONTAINING FORMATION TO INCREASE A POROSITY OF  
THE FORMATION

Application Number: 09/841299

\*09/841299\*

Confirmation Number: 3896

First Named Applicant: Eric de Rouffignac

Attorney Docket Number: 5659-02500

Art Unit: 3672

Examiner: George A Suchfield

Search string: ( 4931171 or 4737267 or 4384948 or 3593790 or 3497000 or  
3244231 or 3223166 or 3947656 or 3165154 or 4458757 ).p

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## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
69	1	4931171	1990-06-05	Piotter			
1	2	4737267	1988-04-12	Pao et al.			
	3	4384948	1983-05-24	Barger			
	4	3593790	1971-07-20	Herce			
	5	3497000	1970-02-24	Hujsak et al.			
	6	3244231	1966-04-05	Grekel et al.			
	7	3223166	1965-12-14	Hunt et al.			
	8	3947656	1976-03-30	Lodi			
	9	3165154	1965-01-12	Santourian			
69	10	4458757	1984-07-10	Bock et al.			

Signature

Examiner Name	Date
George Suchfield	4/26/04

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Search string: ( 3026940 or 3947683 or 3285335 or 3456721 ),pn.

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init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
CS	1	3026940	1962-03-27	Spitz			
	2	3947683	1976-03-30	Schultz et al.			
	3	3285335	1966-11-15	Reistle			
GS	4	3456721	1969-07-22	Smith			

Signature

Examiner Name	Date
George Suchfield	4/26/04



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<b>Title of Invention</b>	<b>IN SITU THERMAL PROCESSING OF A HYDROCARBON CONTAINING FORMATION TO INCREASE A POROSITY OF THE FORMATION</b>																																																																																												
<p>Application Number: 09/841299 Confirmation Number: 3896 First Named Applicant: Eric de Rouffignac Attorney Docket Number: 5659-02500 Art Unit: 3672 Examiner: George A Suchfield Search string: ( 4931171 or 4737267 or 4384948 or 3593790 or 3497000 or 3244231 or 3223166 or 3947656 or 3165154 or 4458757 ).pn.</p> <p><b>US Patent Documents</b></p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td>09</td><td>1</td><td>4931171</td><td>1990-06-05</td><td>Piotter</td><td></td><td></td><td></td></tr><tr><td></td><td>2</td><td>4737267</td><td>1988-04-12</td><td>Pao et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>3</td><td>4384948</td><td>1983-05-24</td><td>Barger</td><td></td><td></td><td></td></tr><tr><td></td><td>4</td><td>3593790</td><td>1971-07-20</td><td>Herce</td><td></td><td></td><td></td></tr><tr><td></td><td>5</td><td>3497000</td><td>1970-02-24</td><td>Hujsak et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>6</td><td>3244231</td><td>1966-04-05</td><td>Grekel et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>7</td><td>3223166</td><td>1965-12-14</td><td>Hunt et al.</td><td></td><td></td><td></td></tr><tr><td></td><td>8</td><td>3947656</td><td>1976-03-30</td><td>Lodi</td><td></td><td></td><td></td></tr><tr><td></td><td>9</td><td>3165154</td><td>1965-01-12</td><td>Santourian</td><td></td><td></td><td></td></tr><tr><td>09</td><td>10</td><td>4458757</td><td>1984-07-10</td><td>Bock et al.</td><td></td><td></td><td></td></tr></tbody></table> <p><b>Signature</b></p> <table border="1"><tr><td><b>Examiner Name</b></td><td><b>Date</b></td></tr><tr><td>George Suchfield</td><td>6/22/04</td></tr></table>		init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	09	1	4931171	1990-06-05	Piotter					2	4737267	1988-04-12	Pao et al.					3	4384948	1983-05-24	Barger					4	3593790	1971-07-20	Herce					5	3497000	1970-02-24	Hujsak et al.					6	3244231	1966-04-05	Grekel et al.					7	3223166	1965-12-14	Hunt et al.					8	3947656	1976-03-30	Lodi					9	3165154	1965-01-12	Santourian				09	10	4458757	1984-07-10	Bock et al.				<b>Examiner Name</b>	<b>Date</b>	George Suchfield	6/22/04
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